IN THE CLAIMS

Please amend the claims as follows:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Currently Amended) A system, comprising:

[a] at least one server computer connected to at least one Internet;

at least two personal computers connected to the server computer through [a] at least one network;

the server computer having a ~~first~~ mechanism for said server computer to function ~~as a master~~ in a shared processing operation involving the at least two personal computers ~~at least portions of said personal computers functioning as slaves to said master~~;

~~at least one of the~~ each said personal computer[s] including [a] at least one peer to peer wireless network connection capable of directly coupling each said [the] personal computer[s] to ~~one or more~~ at least one of the other personal computers via the wireless network connection without connecting to said server computer; ~~and~~

~~at least one of the~~ each said personal computer[s] including [a] at least one microchip having [a] at least one microprocessor with at least [a] one control unit and ~~one or more~~ at least two processing units, the control unit including means for [a] at least one user of the personal computer to control the ~~one or more~~ at least two processing units;

each said microchip including at least one power management component;

~~the server computer having a second mechanism to subdivide said shared processing operation into a plurality of parts and to send one of said parts to each of said slaves for processing by said slaves; and~~

~~a compensation determining mechanism to determine compensation for network services provided by said personal computers in said shared processing operation, wherein~~

~~said compensation determining mechanism determines a net charge based on a difference between a monitored provision to said network of a shared processing operation by one of said personal computers and a monitored use of said network services by said one personal computer,~~

~~said server computer is configured to receive a measure of a provision of network services both to and by said one of said personal computers from a monitoring mechanism, and~~

~~said master server computer is configured to receive processing results sent back to said master server computer when the operation is completed by said slaves]~~

each said personal computer including at least one telephone component; and

each said personal computer including at least one firewall.

10. (Currently Amended) The system of claim 9, wherein ~~said compensation includes a financial charge~~ each said personal computer includes at least one camera component.

11. (Previously Presented) The system of claim 9, wherein said server computer provides network services, including connection functions, which include providing access by at least one of said personal computers to said network.

12. (Currently Amended) The system of claim 9, wherein ~~said compensation includes a charge for access to said network by one of said personal computers~~ each said personal computer includes at least one videocam component.

13. (Currently Amended) The system of claim 9, wherein ~~said charge for said one personal computer is for a time period based on a time difference between the monitored provision to said network of said shared processing operation by said one personal computer for said time period and use of said network services by said one personal computer during said time period~~ each said personal computer includes at least one radio component.

14. (Currently Amended) The system of claim 9, wherein ~~said charge for said one personal computer is based on a difference between the monitored provision to said network of said shared processing operation by said one personal computer as measured by data throughput and use of said network services by said one personal computer also as measured by the data throughput~~ each said personal computer includes at least one television component.

15. (Currently Amended) The system of claim 9, wherein ~~said compensation includes providing access by at least one of said personal computers to said network~~ each said personal computer includes Flash memory.

16. (Currently Amended) The system of claim 9, wherein ~~said charge is zero~~ each said personal computer includes at least one hard drive.

17. (Currently Amended) The system of claim [11] 9, wherein ~~said network includes an Internet which is utilized to provide said shared computer processing resources~~ each said personal computer includes at least one digital signal processor.

18. (Currently Amended) The system of claim [17] 9, wherein said network includes a World Wide Web which is utilized to provide ~~said~~ shared computer processing resources.

19. (Currently Amended) The system of claim [17] 9, wherein said server computer is operated by [an] at least one internet service provider.

20. (Currently Amended) The system of claim [19] 9, wherein ~~said network includes a World Wide Web which is utilized to provide said shared computer processing resources~~ said server computer includes at least one direct optical fiber network connection.

21. (Currently Amended) The system of claim [19] 9, wherein at least one of said personal computers includes [an] at least one optical fiber connection directly from said at least one personal computer to said server computer.

22. (Currently Amended) The system of claim [19] 9, wherein at least one of said personal computers include[s] [a] at least one direct wireless connection from said at least one computers to said server computer.

23. (Cancelled)

24. (Cancelled)

25. (Currently Amended) The system of claim [19] 9, wherein said server computer is configured to operate with each said at least one personal computer[s] being substantially contained in a single microchip is equipment of an automobile or other transportation vehicle or other conveyance .

26. (Currently Amended) The system of claim [19] 9, wherein said server computer is configured to operate with said at least one personal computer being substantially contained in a single microchip with a plurality of microprocessors each said microchip includes:

at least one digital signal processor; or

at least one network communications component; or

both.

27. (Currently Amended) The system of claim [19] 9, wherein said shared processing operation includes: at least one of

parallel processing[,]; or

multi-processing[, and]; or

multi-tasking; or

any combination thereof.

28. (Currently Amended) The system of claim [19] 9, ~~wherein said server computer is configured to operate with at least one of said personal computers including a connection from said at least one personal computer to said network, said connection having a speed of data transmission that is greater than a peak data processing speed of said at least one personal computer~~ wherein each said microchip is configured to use said at least two processing units to perform parallel processing, multi-tasking, or both on said microchip.

29. (Currently Amended) The system of claim [19] 9, wherein ~~said server computer is configured to operate with at least one of~~ said personal computers [including a] include at least one transponder so that said at least one personal computer can determine a closest other of said personal computers ~~that is idle~~.

30. (Currently Amended) The system of claim [19] 9, wherein said ~~server computer is configured to operate such that a user of a~~ personal computer is configured so that [a] at least one user retains preemptive control of all components of said personal computer.

31. (Currently Amended) The system of claim [19] 9, wherein ~~said server computer is configured to operate with at least one personal computer when said personal computer is idled by a user of said personal computer~~ each said microchip includes at least:

four processing units; or

eight processing units; or

16 processing units; or

32 processing units; or

64 processing units; or

128 processing units; or

256 processing units; or

512 processing units; or

1024 processing units.

32. (Currently Amended) The system of claim [19] 9, wherein ~~said server computer is configured to operate with at least a part of at least one of said personal computers functioning as a master in a shared operation with another of said personal computers in said network~~ each said personal computer includes random access memory (RAM), said RAM being located on said microchip.

33. (Currently Amended) The system of claim [19] 9, ~~wherein said server computer is configured to operate with at least a part of at least one of said personal computers functioning as a slave in a shared operation with another of said personal computers in said network~~ each said microchip includes:

at least one graphics component; or

at least one audio component; or

at least one video processing component; or

at least one flash BIOS; or

any combination thereof.

34. (Currently Amended) The system of claim [19] 9, wherein said server computer is configured to operate wirelessly with said personal computers [with] in a client/server or a peer-to-peer network architecture.

35. (Currently Amended) The system of claim [19] 9, wherein ~~said server computer is configured to operate with~~ said at least one microprocessor of said ~~at least one~~ personal computers ~~being~~ is controlled by [a] at least one user of said at least one personal computer through said user's operation of [a] at least one wireless controller.

36. (Currently Amended) The system of claim [19] 9, wherein ~~said server computer is configured to operate with said provision and said use by said one personal computer occurring substantially simultaneously in a multitasking mode~~ each said microchip has at least one firewall.

37. (Currently Amended) The system of claim [19] 9, wherein:

at least one firewall is configured to operate in at least one of said personal computers, said at least one personal computer being configured to operate with other computers connected in [a] at least one network;

said at least one personal computer includes said microchip with at least one microprocessor with at least one control unit and at least two ~~memory hardware components~~ processing units;

said firewall is further configured to deny access to at least ~~a first memory hardware component~~ said microchip microprocessor control unit of said at least one personal computer by at least one of said other computers during a shared operation involving said personal computer and said at least one of said other computers of said network; and

said firewall is further configured to allow access to at least ~~a second memory hardware component~~ one said microchip microprocessor processing unit of said at least one personal computer by said at least one of said other computers of said network during said shared operation.

38. (Currently Amended) The system of claim 37, wherein said firewall is configured to deny access to at least ~~a first memory hardware component~~ said microchip microprocessor control unit of said at least one personal computer by said other computers of said network during a shared operation involving said personal computer and at least one of said other computers of said network.

39. (Currently Amended) The system of claim 37, wherein said firewall is configured to allow access to at least ~~a second memory hardware component~~ one said microchip microprocessor processing unit of said at least one personal computer by said other computers of said network during said shared operation.

40. (Currently Amended) The system of claim 39, wherein said firewall is configured to deny access to at least ~~said second memory hardware component~~ one said microchip microprocessor processing unit of said at least one personal computer by [a] at least one user of said personal computer during said shared operation.

41. (Currently Amended) The system of claim 38, wherein ~~said second memory hardware component is a second hard drive of said at least one personal computer~~ said firewall includes hardware or software or firmware or any combination thereof.

42. (Currently Amended) A system, comprising:

a server computer connected to at least one Internet;

at least two personal computers connected to the server computer through [a] at least one network;

the server computer having a ~~first~~ mechanism for said server computer to function ~~as a master~~ in a shared processing operation involving the at least two personal computers ~~at least portions of said personal computers functioning as slaves to said master~~;

~~at least one of the~~ each said personal computer[s] including a client/server wireless network connection capable of directly coupling each of the personal computers to the server computer via the wireless network connection;

~~at least two of the personal computer including a personal network system connection;~~ ~~and~~

~~at least one of the~~ each said personal computer[s] including [a] at least one microchip having [a] at least one microprocessor with at least [a] one control unit and ~~one or more~~ at least two processing units, the control unit including means for [a] at least one user of the personal computer to control the ~~one or more~~ at least two processing units;

each said microchip including at least one power management component;

the server computer having a second mechanism to subdivide said shared processing operation into a plurality of parts and to send one of said parts to each of said slaves for processing by said slaves; and

a compensation determining mechanism to determine compensation for network services provided by said personal computers in said shared processing operation, wherein

said compensation determining mechanism determines a net charge based on a difference between a monitored provision to said network of a shared processing operation by one of said personal computers and a monitored use of said network services by said one personal computer,

said server computer is configured to receive a measure of a provision of network services both to and by said one of said personal computers from a monitoring mechanism, and

said master server computer is configured to receive processing results sent back to said master server computer when the operation is completed by said slaves

each said personal computer including at least one telephone component; and

each said personal computer including at least one firewall.

43. (Currently Amended) The system of claim 42, wherein said compensation includes a financial charge each said personal computer includes at least one camera component.

44. (Previously Presented) The system of claim 42, wherein said server computer provides network services, including connection functions, which include providing access by at least one of said personal computers to said network.

45. (Currently Amended) The system of claim 42, wherein said compensation includes a charge for access to said network by one of said personal computers each said personal computer includes at least one videocam component.

46. (Currently Amended) The system of claim 42, wherein said charge for said one personal computer is for a time period based on a time difference between the monitored

~~provision to said network of said shared processing operation by said one personal computer for said time period and use of said network services by said one personal computer during said time period~~ each said personal computers includes at least one radio component.

47. (Currently Amended) The system of claim 42, wherein ~~said charge for said one personal computer is based on a difference between the monitored provision to said network of said shared processing operation by said one personal computer as measured by data throughput and use of said network services by said one personal computer also as measured by the data throughput~~ each said personal computers includes at least one television component.

48. (Currently Amended) The system of claim 42, wherein ~~said compensation includes providing access by at least one of said personal computers to said network~~ each said personal computers includes Flash memory.

49. (Currently Amended) The system of claim 42, wherein ~~said charge is zero~~ each said personal computers includes at least one hard drive.

50. (Currently Amended) The system of claim 42, wherein ~~said network includes an Internet which is utilized to provide said shared computer processing resources~~ each said personal computers includes at least one digital signal processor.

51. (Currently Amended) The system of claim ~~50~~ 42, wherein said network includes a World Wide Web which is utilized to provide said shared computer processing resources.

52. (Currently Amended) The system of claim ~~50~~ 42, wherein said server computer is operated by [an] at least one internet service provider.

53. (Currently Amended) The system of claim ~~52~~ 42, wherein ~~said network includes a World Wide Web which is utilized to provide said shared computer processing resources~~ said server computer includes at least one direct optical fiber network connection.

54. (Currently Amended) The system of claim ~~52~~ <u>42</u>, wherein at least one of said personal computers includes [an] <u>at least one</u> optical fiber connection directly from said at least one personal computer to said server computer.

55. (Currently Amended) The system of claim ~~52~~ <u>42</u>, wherein ~~at least one of~~ said personal computers include[s] [a] <u>at least one</u> wireless connection from said ~~at least one~~ computer<u>s</u> to said server computer.

56. (Currently Amended) The system of claim ~~52~~ <u>42</u>, wherein ~~said server computer is~~ ~~configured to operate with~~ <u>each </u>said ~~at least one~~ personal computer ~~being substantially~~ ~~contained in a single microchip~~ <u>is equipment of an automobile or other transportation vehicle</u> <u>or other conveyance</u>.

57. (Currently Amended) The system of claim ~~52~~ <u>42</u>, wherein ~~said server computer is~~ ~~configured to operate with said at least one personal computer being substantially contained~~ ~~in a single microchip with a plurality of microprocessors~~ <u>each said microchip includes:</u>

<u>at least one digital signal processor; or</u>

<u>at least one network communications component; or</u>

<u>both.</u>

58. (Currently Amended) The system of claim ~~52~~ <u>42</u>, wherein said shared processing operation includes: ~~at least one of parallel processing, multi-processing, and multi-tasking~~

<u>parallel processing; or</u>

<u>multi-processing; or</u>

<u>multi-tasking; or</u>

<u>any combination thereof.</u>

59. (Currently Amended) The system of claim ~~52~~ <u>42</u>, wherein ~~said server computer is~~ ~~configured to operate with at least one of said personal computers including a connection~~ ~~from said at least one personal computer to said network, said connection having a speed of~~

~~data transmission that is greater than a peak data processing speed of said at least one~~ ~~personal computer~~ each said microchip is configured to use said at least two processing units to perform parallel processing, or multi-tasking, or both on said microchip.

60. (Currently Amended) The system of claim ~~52~~ 42, wherein ~~said server computer is~~ ~~configured to operate with at least one of~~ said personal computer[s] ~~including a~~ includes at least one transponder so that said at least one personal computer can determine a closest other of said personal computers ~~that is idle~~.

61. (Currently Amended) The system of claim ~~52~~ 42, wherein said ~~server computer is~~ ~~configured to operate such that a user of a~~ personal computer is configured so that at least one user retains preemptive control of all components of said personal computer.

62. (Currently Amended) The system of claim ~~52~~ 42, wherein ~~said server computer is~~ ~~configured to operate with at least one personal computer when said personal computer is idled~~ ~~by a user of said personal computer~~ each said microchip includes at least:

> four processing units; or
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> eight processing units; or
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> 16 processing units; or
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> 32 processing units; or
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> 64 processing units; or
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> 128 processing units; or
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> 256 processing units; or
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> 512 processing units; or
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> 1024 processing units.

63. (Currently Amended) The system of claim ~~52~~ 42, wherein ~~said server computer is~~ ~~configured to operate with at least a part of at least one of said personal computers~~ ~~functioning as a master in a shared operation with another of said personal computers in said~~

network each said personal computer includes random access memory (RAM), said RAM being located on said microchip.

64. (Currently Amended) The system of claim ~~52~~ 42, wherein ~~said server computer is configured to operate with at least a part of at least one of said personal computers functioning as a slave in a shared operation with another of said personal computers in said network~~ each said microchip includes:

at least one graphics component; or

at least one audio component; or

at least one video processing component; or

at least one flash BIOS component; or

any combination thereof.

65. (Currently Amended) The system of claim ~~52~~ 42, wherein said server computer is configured to operate wirelessly with said personal computers ~~with~~ in a client/server or a peer-to-peer architecture.

66. (Currently Amended) The system of claim ~~52~~ 42, wherein ~~said server computer is configured to operate with~~ said at least one microprocessor of said ~~at least one~~ personal computers ~~being~~ is controlled by [a] at least one user of said at least one personal computer through said user's operation of [a] at least one wireless controller.

67. (Currently Amended) The system of claim ~~52~~ 42, wherein ~~said server computer is configured to operate with said provision and said use by said one personal computer occurring substantially simultaneously in a multitasking mode~~ each said microchip has at least one firewall.

68. (Currently Amended) The system of claim ~~52~~ 42, wherein:

at least one firewall is configured to operate in at least one of said personal computers, said at least one personal computer being configured to operate with other computers connected in the personal network system;

said at least one personal computer includes said microchip with at least one microprocessor with at least one control unit and at least two ~~memory hardware components~~ processing units;

said firewall is further configured to deny access to at least ~~a first memory hardware component~~ said microchip microprocessor control unit of said at least one personal computer by at least one of said other computers during a shared operation involving said personal computer and said at least one of said other computers of said personal network system; and

said firewall is further configured to allow access to at least ~~a second memory hardware component~~ one said microchip microprocessor processing unit of said at least one personal computer by said at least one of said other computers of said personal network system during said shared operation.

69. (Currently Amended) The system of claim 68, wherein said firewall is configured to deny access to at least ~~a first memory hardware component~~ said microchip microprocessor control unit of said at least one personal computer by said other computers of said personal network system during a shared operation involving said personal computer and at least one of said other computers of said personal network system.

70. (Currently Amended) The system of claim 68, wherein said firewall is configured to allow access to at least ~~a second memory hardware component~~ one said microchip microprocessor processing unit of said at least one personal computer by said other computers of said personal network system during said shared operation.

71. (Currently Amended) The system of claim 70, wherein said firewall is configured to deny access to at least ~~said second memory hardware component~~ one said microchip

microprocessor processing unit of said at least one personal computer by [a] at least one user of said personal computer during said shared operation.

72. (Currently Amended) The system of claim 71, wherein said second memory hardware component is a second hard drive of said at least one personal computer said firewall includes hardware or software or firmware or any combination thereof.

73. (Currently Amended) The system of claim 42, wherein the personal network system is a wireless network each said personal computer includes at least one peer to peer wireless network connection capable of coupling each said personal computer to at least one of the other personal computers via the wireless network connection.

74. (New) A server computer for a network of computers, comprising:

a server computer connected to at least one Internet;

the server computer includes at least one direct optical fiber network connection;

the server computer configured to be connected to a plurality of personal computers connected to the server computer through at least one network;

the server computer having a mechanism for said server computer to function in a shared processing operation involving said personal computers;

the server computer configured to connect to each said personal computer through a client/server wireless network connection capable of directly coupling each of the personal computers to the server computer via the wireless network connection;

the server computer including at least one microchip having at least one microprocessor with at least one control unit and at least two or four or eight or 16 or 32 or 64 or 128 or 256 or 512 or 1024 processing units, the control unit including means for at least one user of the server computer to control said processing units;

each said microchip including at least one power management component; and

the server computer including at least one firewall.